

1

SEQUENCE LISTING

<110> Quirk, Stephen

Tyrrell, David

 $<\!120\!>$ Design and Use of Advanced Zinc Chelating Peptides to Regulate Matrix Metalloproteinases

<130> 44039-227522 11301-0200

<140> US 09/753,139

<141> 2000-12-29

<160> 10

<170> PatentIn version 3.1

<210> 1

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<220>

<221> MISC_FEATURE

<222> (2)..(2)

<223> X = Ser or Thr

```
<220>
<221> MISC_FEATURE
<222> (4)..(4)
\langle 223 \rangle X = Ser, Ala or Val
<400> 1
Cys Xaa Cys Xaa Pro His Pro
<210> 2
<211> 12
<212> PRT
<213> Artificial Sequence
<220>
<223> Synthetic Peptide
<220>
<221> MISC_FEATURE
      (1)..(1)
<222>
<223> X = Ile or Val
<220>
<221> MISC_FEATURE
<222> (2)..(2)
```

 $\langle 223 \rangle$ X = Glu, Gln or Arg

<221> MISC_FEATURE

<222> (3)..(3)

 $\langle 223 \rangle$ X = Phe or Tyr

<220>

<221> MISC_FEATURE

<222> (4)..(4)

 $\langle 223 \rangle$ X = Ile or Val

<220>

<221> MISC_FEATURE

<222> (5)..(5)

<223> X = Tyr or His

<220>

<221> MISC_FEATURE

<222> (7)..(7)

<223> X = Ala, Pro or Glu

<220>

<221> MISC_FEATURE

<222> (8)..(8)

<223> X = Pro, Phe or Ala

<220>

<221> MISC_FEATURE

Bung

4

```
<222> (9)..(9)
```

<223> X = Ser, Asp or Met

<220>

<221> MISC_FEATURE

<222> (10)..(10)

 $\langle 223 \rangle$ X = Ala or Ser

<220>

<221> MISC_FEATURE

<222> (11)..(11)

<223> X = Val or Leu

<220>

<221> MISC_FEATURE

<222> (12)..(12)

<223> X = Cys or Gly

<400> 2

<210> 3

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

But

5

```
<223> Synthetic peptide
```

<220>

<221> MISC_FEATURE

<222> (1)..(1)

 $\langle 223 \rangle$ X = Met, Val or Leu

<220>

<221> MISC_FEATURE

<222> (2)..(2)

<223> X = His, Phe or Tyr

<220>

<221> MISC_FEATURE

<222> (3)..(3)

<223> X = Ile or Thr

<220>

<221> MISC_FEATURE

<222> (4)..(4)

<223> X = Thr, His or Gly

<220>

<221> MISC_FEATURE

<222> (5)..(5)

<223> X = Leu or Thr

<220>

But

```
<221> MISC_FEATURE
<222> (7)..(7)
<223> X = Asp, Asn or Ser
<220>
<221> MISC_FEATURE
<222> (8)..(8)
<223> X = Phe or Tyr
<220>
<221> MISC_FEATURE
<222> (9)..(9)
<223> X = Ile or Val
<400> 3
Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa
<210> 4
<211> 7
<212> PRT
<213> Artificial Sequence
<220>
<223> Synthetic peptide
<400> 4
```

Cys Ser Ala Val Pro Val His

```
<210> 5
<211>
<212>
      PRT
<213> Artificial Sequence
<220>
<223> Synthetic peptide
<400> 5
Asp Ser Ala Val Pro Val His
<210>
<211>
<212> PRT
<213> Artificial Sequence
<220>
<223> Synthetic peptide
<400> 6
Ile Tyr Thr Ala Cys Met Ser Ala Val 1 	 5
<210> 7
<211>
<212>
      PRT
<213> Artificial Sequence
<220>
```

<223> Synthetic peptide

But

```
<400> 7

Val His Thr His Leu Cys Asp
1 5
```

<210> 8

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic peptide

<400> 8

Cys Thr Cys Val Pro 1 5

<210> 9

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic peptide

<400> 9

Cys Asp Ile Cys

<210> 10

<211> 5

<212> PRT

<213> Artificial Sequence

Bl

<220>
<223> Synthetic peptide
<400> 10
His Thr Ile Thr His